

Historic Preservation Training Center

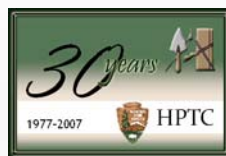
National Park Service
Department of the Interior



Annual Report FY2007



HPTC Mission



The Historic Preservation Training Center is dedicated to the safe preservation and maintenance of national parks or partner facilities by demonstrating outstanding leadership, delivering quality preservation services, and developing educational events that fulfill the competency requirements of Service employees in the career fields of Historic Preservation Skills and Crafts, Risk Management, Maintenance, and Planning, Design, and Construction.

4801A Urbana Pike
Frederick, Maryland 21704
Phone: 301-663-8206

www.nps.gov/training/hptc/

2007 Superintendent's Message

Celebrating 30 Years of Conservation Craftsmanship and Training

Fiscal 2007 was exceptional for the Historic Preservation Training Center (HPTC). We ended the year appropriately with a breakfast event with staff and partners this past fall that celebrated our 30th Anniversary and provided an opportunity to recognize the outstanding efforts of our employees. The Center achieved a 15% increase in the reimbursable projects completed in 2007 which marks the seventh consecutive year of growth of our preservation services program. We believe the quality, teamwork, safe work practices, and strict adherence to deadlines attained by our preservation teams are among the reasons our client parks and agency partners choose the HPTC as their single source solution for preservation projects.

The foundation of the Center's business strategy is made up of four pillars. First, we begin, manage, and complete every project we undertake by applying the basic principles of sound financial management. Second, we seek and then create developmental training opportunities for maintenance, preservation trade skills, safety, or project management competencies at every appropriate project site. Third, our employees are our most important resource, and we continually demonstrate that principal by actions not rhetoric. Fourth, we believe good stewardship is best served by long-term relationships, and we work hard to create a positive project experience based on trust, open communication, and 100% commitment with our partners that then sustains our relationships for many years.

Our Center now faces a changing organization environment. We begin the New Year in 2008 with the retirement of our very capable Deputy Superintendent Doug Hicks, who is leaving the NPS after 37 years of service. Doug has been with the Center from the start, and he played a significant role in expansion of the breadth, complexity, and significance of the preservation projects that the Center has undertaken over the last 20 years. Later in the year, the Service-wide Training and Development Division will receive a report containing recommendations for the improvement of training that were the consequence of the Comprehensive Review study completed in 2007.

Today, the Historic Preservation Training Center is well positioned to address the changing role of training and development envisioned by the study and directed by new leadership now being recruited by our Washington headquarters. We trust that our performance in 2007, as measured by the strong training and preservation services' accomplishments, indicates the underlying strength of our organization. While we have expanded in size, we have preserved our nimble organizational culture and have continued our success in recruiting skilled, diverse, and dedicated new employees. We believe these qualities prepare and will sustain us in meeting future challenges head-on with all the energy, focus, leadership, and commitment they deserve.

H. Thomas McGrath Jr. FAIA-FAPT
Superintendent, Historic Preservation Training Center

FY07 REIMBURSABLE PROJECT LIST						
<i>Partners in Italics</i>				ACT.	Final	
Park	Project Title	FY	PMIS	\$	FINAL INSP.	
FY06 Carry Over Contracts						
Historic Preservation Training Center	Install Firs/Upgrade Elec @Jenkins	FY06	116572	contracted	11/9/2006	
Kalaupapa National Historic Park	Pkg 212 Bishop Home Day Labor	FY06	4803	contracted	3/20/2007	
Historic Preservation Training Center	Install Dust Collection Sys@Jenkins	FY06	117204	\$165,761		
FY06 Carry Over Projects						
President's Park	Deconstruct Sit. Room and SVTS	FY07	NA	\$54,376	4/18/2007	
President's Park	WH Woodcraft WO #21 PressRm	FY06	NA	\$136,789	4/23/2007	
Monocacy National Battlefield	Thomas House Slate Roof	FY06	114756	\$208,740	5/22/2007	
<i>Frederick County Parks and Recreation, MD</i>	Fountain Rock Log Structure	FY07	NA	\$194,685	6/26/2007	
<i>Howard County, Maryland</i>	Blandaire-Roof & Flashing WE #3	FY05	NA	\$104,070	7/15/2007	
Monocacy National Battlefield	HSAR Stone Barn	FY06	35188	\$72,000		
Stephen T. Mather Training Center	Wirth Hall Instl Fire Supress Sys	FY04	98616	contracted	9/24/2007	
<i>Howard County, Maryland</i>	Troy House TO's #1-4 & #13	FY06	NA	\$303,000	9/28/2007	
<i>Howard County, Maryland</i>	Blandair Windows WE #4	FY06	NA	\$371,085	9/28/2007	
<i>Howard County, Maryland</i>	Blandaire Ext. Masonry WE#5	FY05	NA	\$242,980	9/28/2007	
<i>United States Forest Service</i>	Grey Towers NHL -Pool Plaza	FY06	NA	\$109,600	9/28/2007	
National Area Capital Parks-East	Ft. Wash. Masonry Pres. PH 1a&b,2	FY05	21174	\$183,531	10/1/2007	
New FY07 Projects - 1st Quarter						
Arlington National Cemetery	Mast of the Maine Mem. Masonry	FY07	NA	\$103,357	11/8/2006	
Arlington National Cemetery	VC Portal Renovations	FY06	29601	\$56,356	11/20/2006	
Timucuan Ecological & Historic Preserve	Stab. Slave Quarter Fireplace	FY07	117657	\$24,986	11/15/2006	
Harpers Ferry National Historical Park	Stabilize Randolph Cottage	FY07	120104B	\$90,361	1/4/2007	
Castillo de San Marcos National Monument	Stab & Repair Parapet Wall Surface	FY07	122086	\$375,667	3/27/2007	
President's Park	WH WoodcraftingWO#21 PressRm	FY06	NA	\$136,789	4/23/2007	
President's Park	WH WoodcraftingWO#22PressRm	FY07	NA	\$41,633	4/23/2007	
Monocacy National Battlefield	Complete Best House Exterior	FY07	127806	\$160,829	6/7/2007	
President's Park	WH Woodcraft WO #19 Col Wind	FY06	NA	\$138,000	4/28/2007	
Timucuan Ecological & Historic Preserve	Kingsley Plantation Windows	FY07		\$89,417	7/24/2007	
Arlington National Cemetery	Mast of the Maine HSAR	FY07	NA	\$26,600		
<i>Congressional Cemetery</i>	Congressional Cem Masonry PH 1	FY06	NA	\$700,000	9/28/2007	
Kalaupapa National Historical Park	Preserv. Projects-DSC-LIC F07	FY07	PKG212	\$1,473,775	9/28/2007	
Kalaupapa National Historical Park	Replace Non-Compliant Cesspls.	FY07	88271	\$25,200	9/28/2007	
Kalaupapa National Historical Park	Proj. Manag. Preserve Hist. Bldg.	FY07	NA	\$65,826	9/28/2007	
Stephen T Mather Training Center	Provide PM for Fire Supress. Cont.	FY06	119679	\$62,243	9/24/2007	
2nd Quarter						
President's Park	Exterior Masonry Task Order#25	FY07	NA	\$65,000	5/3/2007	
Horace Albright Training Center	Arch Doc&Design Asst -21 Apache	FY07	126063	\$15,500	5/9/2007	
Castillo de San Marcos National Monument	Craft Assistance	FY07		\$15,643	3/1/2007	
Rose Hill	Kitchen Floor	FY07	NA	\$12,124	3/15/2007	
Big Cypress National Preserve	Rehab Monroe Station Plans PH 1	FY07		\$63,700	8/18/2007	
Monocacy National Battlefield	Lewis House Stab. Craft Assist.	FY07	135101	\$15,000	3/30/2007	
President's Park	Exterior Masonry TO#26 P1	FY07	NA	\$124,500	9/28/2007	
Monocacy National Battlefield	Thomas Barn Forebay Carpentry P1	FY07	125503A	\$103,800	9/28/2007	
Monocacy National Battlefield	Thomas House HSR	FY06	98447	\$80,900	9/28/2007	
<i>Florida State Parks</i>	Maclay State Park Cond Asses.	FY07	NA	\$52,275	9/28/2007	
3rd Quarter						
Historic Preservation Training Center	Repair Jenkins Roof Monitor	FY07	110370	\$66,050	5/17/2007	
Historic Preservation Training Center	Jenkins Paint Room Fire Safety	FY07	126095	\$57,450	9/28/2007	
Lincoln Home National Historic Site	Pres. Training for Maint. Workshop	FY07	NA	\$4,685	6/8/2007	
<i>United States Fish and Wildlife Service</i>	DC Booth Hatchery Masonry Wrksp	FY07	NA	\$34,917	6/28/2007	
Prince William Forest Park	Emerg Stab of Three Water Towers	FY07	101367	\$82,765	7/26/2007	
Allegheny Portage Railroad National Historic Site	Culvert #299 & #306	FY07		\$75,899	6/14/2007	
Monocacy National Battlefield	Worthington Hse. Jst/Ceil. Craft As.	FY07		\$27,532	7/27/2007	
Harpers Ferry National Historic Site	Repair Alleys Bldgs 35&36 PII	FY07	10188	\$197,698	8/27/2007	
President's Park	WH WoodcraftingWO #23	FY07	NA	\$38,405	9/8/2007	
President's Park	WH WoodcraftingWO #24	FY07	NA	\$38,405	9/8/2007	
Historic Preservation Training Center	Replace Gambrell Storm Doors Ph1	FY07	112605	\$110,000	9/28/2007	
Monocacy National Battlefield	Thomas Barn Foundation Phase 1	FY07	125503A	\$158,400	9/28/2007	
Harpers Ferry National Historic Site	Repair Alleys Phase II -Masonry	FY07	110188	\$14,187	9/28/2007	
Monocacy National Battlefield	Thomas House Shed	FY07	128731	\$50,000	10/9/2007	
Historic Preservation Training Center	Replace Tel Switch @ Gambrell Hse	FY07	128594	\$9,000	10/2/2007	
President's Park	WH WoodcraftingWO #25	FY07	NA	\$38,405	9/28/2007	
President's Park	WH WoodcraftingWO #26	FY07	NA	\$29,500	9/28/2007	
<i>Howard County, Maryland</i>	Blandair Tenant Hse #1 - Design P1	FY07	NA	\$39,000	9/28/2007	
4th Quarter						
Monocacy National Battlefield	Thomas House Craft Assist.-Vents	FY07		\$7,500	7/10/2007	
<i>Pine Mountain Settlement School NHL</i>	Putney Ranger Sta. Log Workshop	FY07	NA	\$9,492	6/22/2007	
Harpers Ferry National Historic Site	Emergency Repairs - Public Way	FY07	131102	\$3,479	9/17/2007	
Monocacy National Battlefield	Baker Barn and Silo Masonry	FY07	101483	\$188,000	9/6/2007	
President's Park	Woodcrafting WO#18 East Wing	FY07	NA	\$44,299	9/30/2007	
Johnstown Flood National Memorial	Unger House Chimnies	FY07		\$54,223	9/6/2007	
Harpers Ferry National Historic Site	Reconstruct Arsenal Corners	FY07	118165	\$9,840	9/17/2007	
Harpers Ferry National Historic Site	Design&Mob. for 2 Nash Prop. Hse	FY07	76083	\$90,960	9/30/2007	
Harpers Ferry National Historic Site	Hist Ruins @Rear of Bldg #40-PH I	FY07	95384	\$82,000	9/17/2007	
San Juan National Historic Site	Construct Wood Cannon Carr PH1	FY07		\$24,016	9/27/2007	
Gulf Island National Seashore	Ft Jay Masonry & Castle William	FY07	125656&8	\$53,331	9/27/2007	
Chesapeake and Ohio Canal National Historical Park	Stab. Knole House & Out Bldg's.	FY07	75392	\$50,000	9/28/2007	
President's Park	Cyc Maint Ext. West Wing & Terrace	FY07	NA	\$51,230	9/28/2007	
<i>Bureau of Reclamation</i>	Canyon Ferry Visitor Center P1	FY07	NA	\$165,600	9/28/2007	
President's Park	Woodcrafting WO#27 Phase 1	FY07		\$19,200	9/28/2007	
Timucuan Ecological & Historic Reserve	1st Floor Condition Assessment	FY07		\$16,641	6/29/2007	
<i>United States Forest Service</i>	Repair Brush Creek Work Cntr. PH1	FY07	NA	\$170,500	9/21/2007	
<i>Army Corps of Engineering</i>	Fort Randall Chapel Phase 1	FY07	NA	\$105,000	10/10/2007	
Carl Sandburg Home National Historic Site	Spring Hse. Site Visit/PA Estimate	FY07	136918	\$5,879	9/30/2007	



Photo 1 - In 2007, the HPTC Masonry Team began work on a multi-year project to repair the deteriorated horizontal surfaces along the parapet walls at Castillo de San Marcos NM in Saint Augustine, Florida.



Photos 2, 3 and 4 - The photos above illustrate the sequence of work the HPTC masons developed during the repair project. On the left is an illustration of the eroded condition of the horizontal surface. The middle photo depicts the wall surface following the removal of eroded material. The photo on the right depicts newly quarried coquina stone that has been reset into the parapet, thus sealing this surface from moisture penetration and the effects of weathering on the underlying masonry.



Photo 5 - The HPTC Carpentry Team rose to the challenge of fulfilling the daunting tasks of both preserving the historic exterior appearance and character and re-establishing structural stability to the extremely deteriorated structural system of the Best Farmhouse. The work became more complex after remnants of an early 17th C. log structure that was embedded within the walls of the west wing of the Farmhouse were revealed. The team used a Value Analysis decision making process to develop a treatment plan that retained as much log fabric as possible while structurally stabilizing the building.



Photo 6 – After: The completed exterior work at the west wing of the Best Farmhouse provides the visitor to this Civil War Battlefield with an exterior façade of the farmhouse that does not diminish the interpretive qualities of the landscape.



Photo 7 - The Center was commissioned by the National Cemetery Commission of the Veterans Administration to complete a two-year project that addresses masonry deterioration occurring at 167 Cenotaphs and two memorials located within Congressional Cemetery, a National Historic Landmark site, located in Washington, DC. Above, a HPTC Maintenance Mechanic is seen carefully using a proprietary abrasive cleaning system to prepare the stone for following restoration work.



Photo 8 - This close-up photograph depicts several surfaces repairs including a typical stone “Dutchman” patch executed by HPTC masons. This typical repair replaces “in-kind” a damaged area with original Aquia Creek sandstone material crafted to an exact fit at the damaged Cenotaph corner. Over time, the new stone surface should age in a similar fashion to the surrounding material.



Photo 9 – Before: In 2007, the HPTC Woodcrafting Team completed a comprehensive rehabilitation project at one of the historic Tennant Houses at Fountain Rock Park in Frederick County, Maryland.



Photo 10 – After: This project specified substantial exterior preservation tasks that included roof, windows and doors, siding, masonry, and porch work. A non-historic rear addition was removed, and a new ADA compliant access ramp was installed. The interior work included extensive structural reinforcement of the foundation involving excavation of the basement area, installation of a new flooring system support structure at all floor levels, conservation of the original log structure interior surfaces, and upgrading the mechanical and electrical services.



Photo 11 - Seen in this photo, HPTC Woodcrafting Team members are working on the south elevation of Blandair, a historic house located in Howard County, Maryland. The team is carefully removing failed lead-based paint from window and door trim. The HPTC is a leader in developing and applying safe and efficient preservation technology used to preserve historic structures.



Photos 12 & 13 - Exhibit Specialist, Brandon Gordon works at the HPTC Jenkins Cannery Shop adjusting clamps used when repairing fan lights from this 2007 project. On the right, the parts for a replacement fan light have been fabricated and are laid-out for fitting prior to assembly.

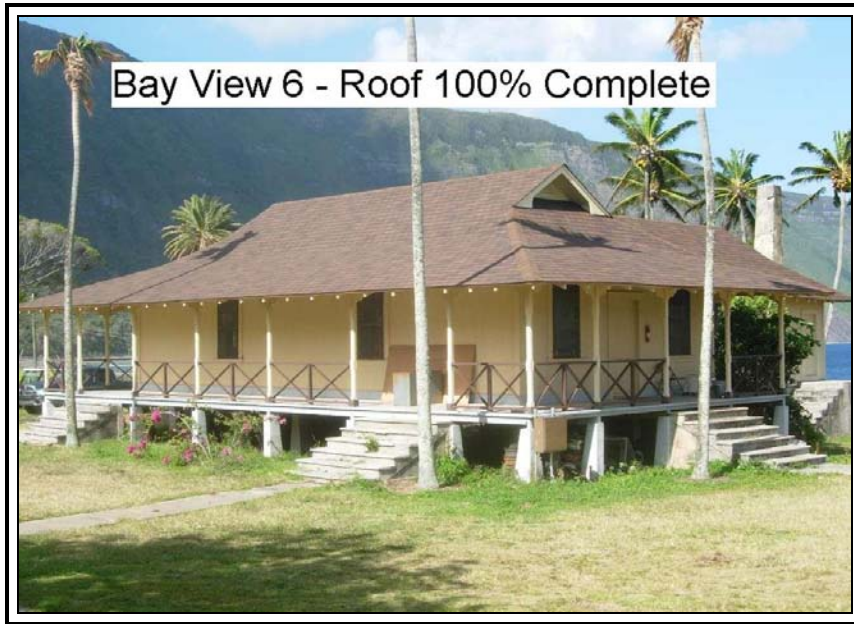


Photo 14 – This past fiscal year, the HPTC West Team completed several roofing projects including a new asphalt shingle roof on Building #6 in the Bay View Home neighborhood. Initially constructed in the 1930s, Building #6 serves as the park’s natural resources headquarters.



Photo 15 - Preservation of the exterior envelope of the Bishop Home for Girls included a new wood shingle roof, copper flashings, copper gutters, siding and window repairs and new paint. Termite damage throughout the Bishop Home required extensive structural repairs and replacement. Interior work included a complete new electrical system and installation of a fire suppression system.



Photos 16 & 17 - The HPTC West Team, duty-stationed at Kalaupapa NHP on the island of Molokai in Hawaii, completed numerous re-roofing projects within the historic National Landmark Settlement in 2007. The photograph on the left illustrate the new asphalt shingle roof installed at Staff Residence #1. The photo on the right shows a typical Kalaupapa roofing condition where numerous layers of roofing material had to be removed before the crew could properly install the new roof.



Photos 18 & 19 – This past fiscal year, the Kalaupapa HPTC crew completed the installation of this cedar shingle roof at the Kalaupapa Lighthouse Keepers House. The photo on the right shows the crew participating in a traditional Hawaiian Blessing Ceremony before commencing work on the lighthouse station project.



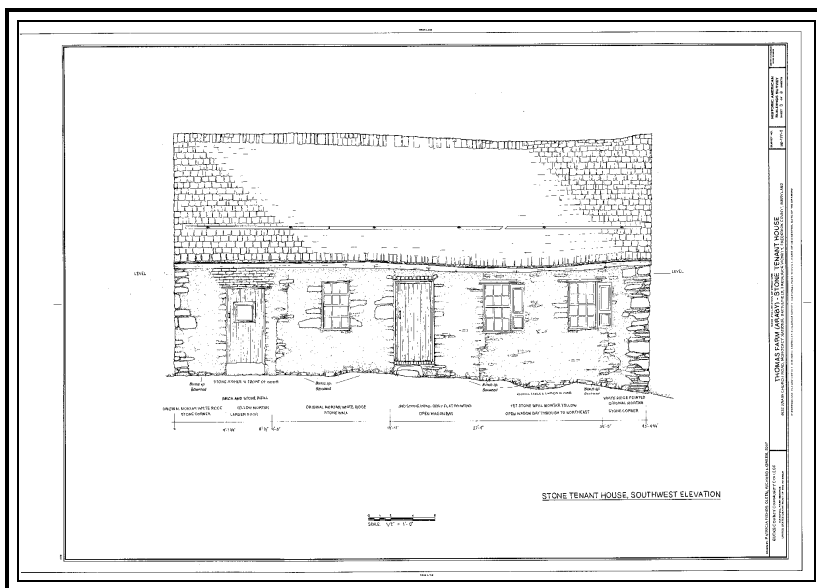
Photo 20 – Before: HPTC preservation trade expertise has been gained and sustained by 30 years of experience working on hundreds of historic vernacular structures in national parks. In 2007, the HPTC Carpentry Team continued our tradition of saving failed buildings by restoring the Thomas Farm Shed located at Monocacy NB, Maryland.



Photo 21 – After: The Thomas Farm Shed after the completion of work by the HPTC.



Photo 22 – At the end of FY07, the HPTC Project Management Team working with contractors, the park, and the Denver Service Center, significantly contributed to the successful conclusion of the \$9,500,000 multi-phased construction contract that returned the scarp walls and parade ground buildings at Fort Washington, Maryland to good condition.



Drawing 23 – In FY07, the HPTC Senior Historical Architect directed the development of this award winning set of HABS documentation drawings for all the dependency structures located at the Thomas Farm at Monocacy NB. The Center annually completes an architectural workload that can include historic structure condition assessments, documentation, preparation of Historic Structure Reports, and the development of rehabilitation plans and specifications.



Figure 24 – Before: The ruins of the Fort Randall Chapel. Note the deteriorated condition of the masonry surrounding the window and door openings.

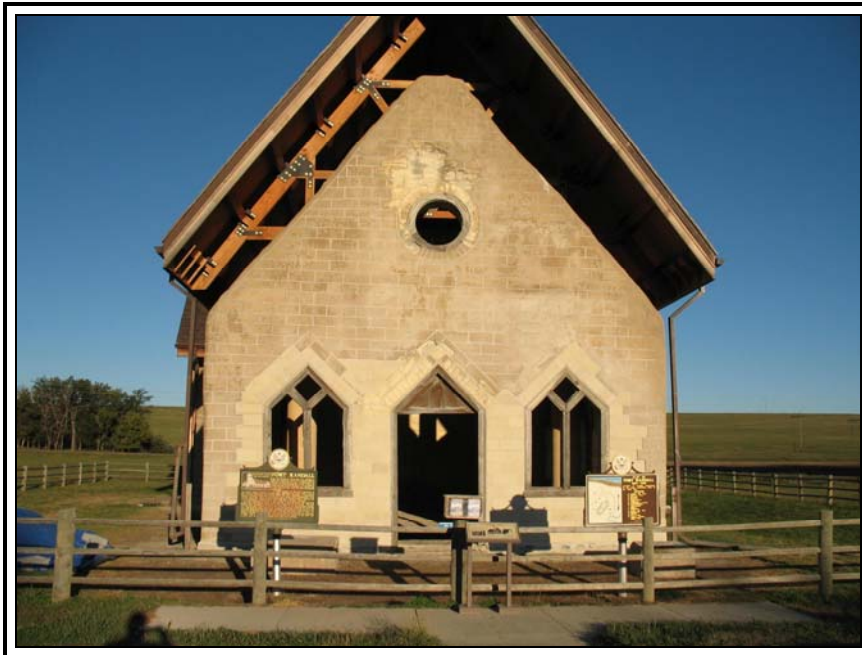


Figure 25 – After: This project was commissioned by the Omaha District Office of the Army Corps of Engineers. Work was completed by the HPTC Masonry team in the summer of 2007 on the Chapel ruins at this former historic military post that was established in 1856 and abandoned in 1892.

**Training And Development Division
Historic Preservation Training Center Classes**

Date(s)	Title of Class	# Trainees	# Hours	Total Learning Hours
Servicewide Classes				
Historic Preservation Skills Career Field & HPTC Staff Training				
10/4-6/06	Traditional Building Conference	11	24	264
12/12/06	Architectural History of the Thomas Farm House Seminar	10	6	60
01/22-26/07	Contracting Officer's Technical Representative	19	40	760
01/29-02/8/07	Window Preservation Workshop	2	80	160
02/12-15/07	Basic Window Preservation Workshop	3	24	72
02/20-21/07	Fall Protection-Competent Person	16	16	256
02/20-22/07	Laser Cleaning of Historic Sandstone Cenotaphs	12	24	288
03/6-7/07	Non-Destructive Evaluation Workshop	13	12	156
03/12/07	Section 106 and NAGPRA	5	8	40
04/16-20/07	PAST Skills III Workshop & Graduation	24	40	960
06/4-5/07	Lincoln Sites Preservation Training Workshop	9	16	144
04/24-06/07/07	Stone Cutting and Saw Operations Workshop	12	42	504
06/25-29/07	Care and Repair of Log Structures	11	40	440
07/16-17/07	Confronting the Tough Stuff: Management Skills for Supervisors	10	16	160
07/18-19/07	Correcting Employee Conduct and Performance	9	16	144
08/16/07	Lead Paint in Construction	8	15	120
Ongoing	Three Year Program in Historic Preservation	17	960	16,320
Various	Training Classes Attended by Individuals	33	1,301	1,301 *
	Total	224	2,680	22,149
*Various hours totaling this number				



Figure 1 - 2007 Preservation and Skills Training Class Completes Two Year Program.

PAST 2007 Class at the Historic Preservation Training Center, Frederick, Maryland - Front row (left to right): Lewis McKarnin, HSTR; David Ammen, WOTR; Mark Hooks, ROMO; Steven O'Neill, CASA, and Jeff Dyer, GRCA. Second row (left to right): Ed McGee, MORU; Mary Johnson, ROMU; Bob Maitland, ROMO; Kevin Dowell, GRCA, Scott Worley, HPTC. Third Row (left to right): Sterling Holdorf, ROMO; Vanya Pryputniewicz, GRCA; Jeffrey Doryland, OLYM; Albert Banks, III, ULSG; Dan Matteson, GUIS, and Kalawai'a Goo, KALA. Last Row (left to right): Joe Gorbea, HALE; Craig Struble, GRTE; Dan Brown, PORE; Roy Kiser, CAGR; Patrick Kalaola, HALE, and Malcolm Willoughby, GWMP.

Note in photo: Dana Kuffer, HAVO; Warren Madeira, HAVO; and Kevin Robinson, GUIS.

Date(s)	Title of Events	# Trainees	# Hours	Total Training Hours
Servicewide Events				
Maintenance				
<i>William Penn Mott Jr. Training Center</i>				
10/8-13/06	Intermediate Trails Program Maintenance and Management	1	32	32
11/12-17/06	Basic Electrical Skills	2	32	64
12/3-8/06	Basic Plumbing Skills	2	32	64
12/17-22/06	Basic Carpentry Skills	2	32	64
1/7-12/07	Basic Landscaping	3	32	96
1/21-26/07	Intermediate Electrical Skills	2	32	64
2/25 - 3/2/07	Intermediate Plumbing Skills	2	32	64
3/25-30/07	Advanced Carpentry Skills	2	32	64
3/11-16/07	Advanced Electrical Skills	2	32	64
5/6-11/06	Masonry Skills	2	32	64
8/27-31/07	Advanced Trails Maintenance Management in an Alaskan Environment	15	32	480
9/16-21/07	Intermediate Carpentry Skills Group 35	2	32	64
	Subtotal	37	384	1,184
<i>Equipment Operator Safety for Supervisors Course</i>				
4/24-26/07	Whiskeytown NRA	24	24	576
5/8-10/07	Harpers Ferry NHP	18	24	432
6/5-7/07	Yellowstone NP	35	32	1,120
	Subtotal	77	80	2,128
<i>Equipment Operator Safety Course</i>				
9/10-14/2007	Yosemite NP	31	32	992
	Subtotal	31	32	992
<i>US Fish & Wildlife Heavy Equipment Operator Training (OLT+ILT)</i>				
11/29/2007	Backhoe/Loader Safety Training Course	15	10	150
11/29/2006	Four-Wheel Drive Loader Safety Training Course	13	10	130
11/29/2006	Skid Steer Safety Training Course	12	10	120
	Subtotal	40	30	400
<i>Facility Manager Workforce Development</i>				
Ongoing	Facility Manager Workforce Development DVD	79	2	158
	Subtotal	79	2	158
	TOTAL	264	528	4,862



Figure 1 – The HPTC is serious about safety! The center offered seven different Equipment Operator Safety training events across the Service in 2007 that were attended by 148 participants.



Figure 2 – The above two images illustrate the “hands-on” training that benefited participants at this Equipment Operators Safety for Supervisors Course that was conducted in 2007 at Whiskeytown NRA.

HPTC FINANCIAL STATEMENT FY-2007

TOTAL PROJECT REVENUE	<hr/>	7,018,074.04
-----------------------	-------	--------------

Operating Expenses:

Personnel Compensation & Benefits	<hr/>	335,889.85
-----------------------------------	-------	------------

Training	<hr/>	139,753.89
----------	-------	------------

Travel & Transportation of Things	<hr/>	95,379.52
-----------------------------------	-------	-----------

Supplies & Materials	<hr/>	1,596,791.92
----------------------	-------	--------------

Total Operating Expenses	<hr/>	2,167,815.18
--------------------------	-------	--------------

Overhead Derived from Project Revenue	<hr/>	2,167,815.18
---------------------------------------	-------	--------------



Douglas C. Hicks
HPTC Deputy Superintendent 1988-2007

Doug Hicks, Deputy Superintendent of the Historic Preservation Training Center, retired from the National Park Service on January 3, 2008. Doug was instrumental, along with Jim Askins, in establishing the Williamsport Preservation Training Center (WPTC) as a unit of the Denver Service Center in 1977. His work at the Williamsport Center was interrupted by two tours of duty as a Supervisory Preservation Specialist serving at the Southwestern Regional Office in Santa Fe NM. Doug returned to the WPTC for good in 1988 to serve as the Acting Chief and was later promoted to the Deputy Superintendent position. The WPTC headquarters was moved to Monocacy National Battlefield near Frederick, Maryland and renamed the Historic Preservation Training Center (HPTC) in 1995.